

IN THE SPECIFICATION

Please amend the Abstract at page 19, lines 1-14, as follows:

Abstract

A method ~~of forming a coating~~ and an apparatus for ~~forming a coating on an~~  
~~optical fiber capable of~~ improving the work speed in recoating a ~~coating forming~~  
~~portion of the~~ an optical fiber are provided. A coating removed part of a ~~coated~~ the  
optical fiber, ~~which is the portion where a coating of the optical fiber is formed,~~ is set  
in a mold. A light-curing resin is heated and then injected into the mold to coat  
~~provided on~~ the coating removed part. Then, with the light-curing resin heated to the  
glass transition temperature thereof, light is irradiated ~~by a Peltier element, a heater~~  
~~and a temperature control unit, a light for curing is irradiates~~ from a light source to  
cure the light-curing resin.